

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An optical waveguide circuit device comprising:

a substrate having a cleavage plane formed at least one of horizontally and perpendicularly to an orientation flat;

a waveguide formed from a core on said substrate; and

an incision line constructed by a groove or/and a separating slit formed by crossing at least one portion of the core of said waveguide;

wherein a face of said incision line is formed at an arbitrary angle with respect to set to a face different from the cleavage plane of said substrate.

Claim 2 (Original): The core of the waveguide of the optical waveguide circuit device according to claim 1 comprising:

one or more optical input waveguides arranged side by side;

a first slab waveguide connected to output ends of said optical input waveguides;

an arrayed waveguide connected to an output end of said first slab waveguide and including a plurality of channel waveguides arranged side by side for transmitting light that has traveled through said first slab waveguide, said channel waveguides having different predetermined length;

a second slab waveguide connected to an output end of said arrayed waveguide; and

a plurality of optical output waveguides arranged side by side and connected to an output end of said second slab waveguide;

wherein the incision line is a groove formed in a mode crossing at least said arrayed waveguide.

Claim 3 (Original): The optical waveguide circuit device according to claim 2, wherein a half-wave plate is inserted into the groove crossing said arrayed waveguide.

Claim 4 (Currently Amended): The core of the waveguide of the optical waveguide circuit device according to claim 1, which is a core of an arrayed waveguide grating type optical multiplexer/demultiplexer comprising:

one or more optical input waveguides arranged side by side;

a first slab waveguide connected to output ends of said optical input waveguides;

an arrayed waveguide connected to an output end of said first slab waveguide and including a plurality of channel waveguides arranged side by side for transmitting light that has traveled through said first slab waveguide, said channel waveguides having ~~different~~ different predetermined length;

a second slab waveguide connected to an output end of said arrayed waveguide; and

a plurality of optical output waveguides arranged side by side and connected to an output end of said second slab waveguide;

wherein the incision line is set to a separating slit for separating at least one of said first and second slab waveguides. ~~The; the~~ separating slit is formed to cross an optical path of at least one of said first and second slab waveguides;

a slide moving member slides and moves at least one side of the separating slab waveguide separated with this separating slit along said separating face depending on a temperature of AWG; and

a light transmission central wavelength of an arrayed waveguide grating type optical multiplexer/demultiplexer is shifted by a slide moving operation of said slide moving member depending on the temperature.

Claim 5 (New): An optical waveguide circuit device according to Claim 1, wherein:  
said cleavage plane and the face of said incision line are formed so as to set an angle  
therebetween to 20°.